E-CORE LED TUBE GX16T-5

The E-CORE LED TUBE GX16T-5 is the perfect linear module to upgrade the linear fluorescent fixtures to LED. This module has been designed for manufacturers willing to implement LED technology at an affordable cost. Available in all lengths and many color temperatures of traditional linear lamps, it enables to keep the same fixture bodies and makes the switch to LED very easy. As it works with a separated Toshiba driver, the light flux can be dimmed and it prevents from many disadvantages of other solutions like heat management or over load risks.

Application:

- Office
- Warehouse
- High ceiling
- Production area

Product details

- Low energy and high efficacy
- Mercury free
- Instant light
- Low UV radiation
- Low heat radiation
- Life time 40,000 hours
- Retrofit appearance

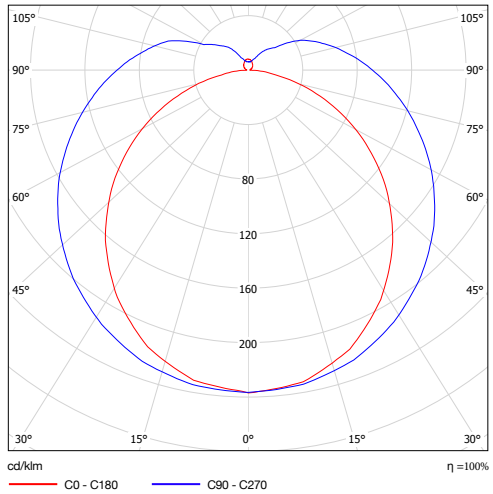
Optical parameters

MODEL NAME	E-CORE LED TUBE GX16T-5			
Product code	LDL82D1530X1EU	LDL82D1540X1EU	LDL84D2830X1EU	LDL84D2840X1EU
Luminous flux	1,550 lm	1,650 lm	3,100 lm	3,300 lm
Colour description	Warm white	Neutral white	Warm white	Neutral white
Colour temperature	**3000 K**	**4000 K**	**3000 K**	**4000 K**
Colour rendering index	Ra 83	Ra 83	Ra 83	Ra 83
Lamp efficacy	106.9 lm/W	113.8 lm/W	110.7 lm/W	117.9 lm/W
Product code	LDL84D2865X1EU	LDL95D3630X1EU	LDL95D3640X1EU	LDL95D3665X1EU
Luminous flux	3,350 lm	3,800 lm	4,000 lm	4,000 lm
Colour description	Cool white	Warm white	Neutral white	Cool white
Colour temperature	**6500 K**	**3000 K**	**4000 K**	**6500 K**
Colour rendering index	Ra 83	Ra 83	Ra 83	Ra 83
Lamp efficacy	119.6 lm/W	105.6 lm/W	111.1 lm/W	111.1 lm/W

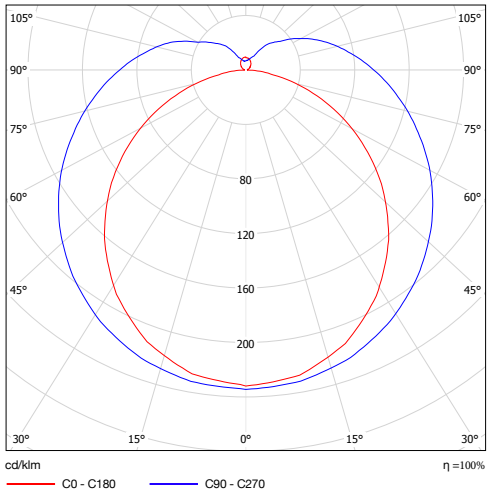
Working on seperated driver (see driver specifications and compatibility)

POLAR CANDELA DISTRIBUTION

LDL82D1530X1EU / LDL82D1540X1EU



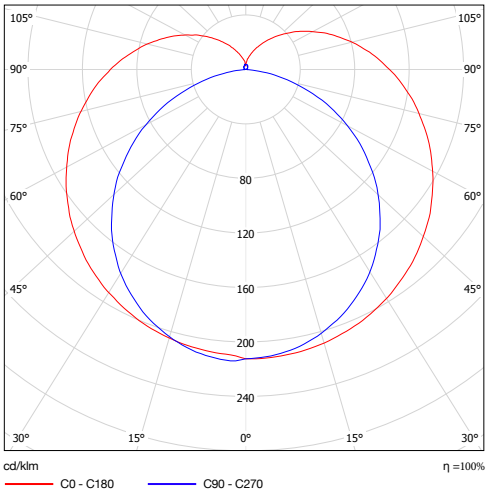
LDL84D2830X1EU / LDL84D2840X1EU / LDL84D2865X1EU



Optical parameters

POLAR CANDELA DISTRIBUTION

LDL95D3630X1EU / LDL95D3640X1EU / LDL95D3665X1EU



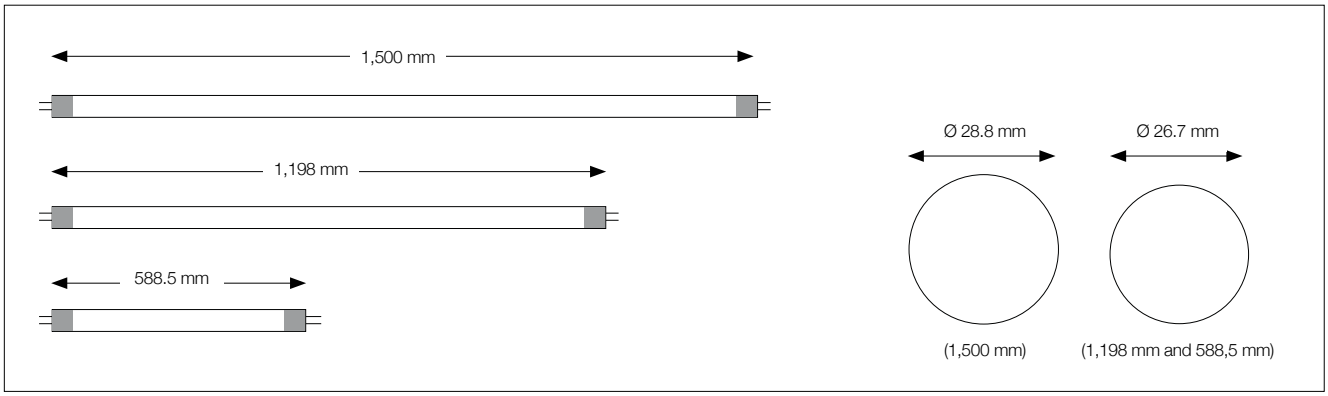
Electrical parameters

MODEL NAME	E-CORE LED TUBE GX16T-5			
Product code	LDL82D1530X1EU	LDL82D1540X1EU	LDL84D2830X1EU	LDL84D2840X1EU
Rated voltage	45 - 190 V	45 - 190 V	45 - 190 V	45 - 190 V
Rated wattage	14.5 W	14.5 W	28 W	28 W
Rated input current	350 mA	350 mA	350 mA	350 mA
Rated lifetime	40,000 h	40,000 h	40,000 h	40,000 h
Dimming	Depend on driver	Depend on driver	Depend on driver	Depend on driver
Product code	LDL84D2865X1EU	LDL95D3630X1EU	LDL95D3640X1EU	LDL95D3665X1EU
Rated voltage	45 - 190 V	90 - 190 V	90 - 190 V	90 - 190 V
Rated wattage	28 W	36 W	36 W	36 W
Rated input current	350 mA	350 mA	350 mA	350 mA
Rated lifetime	40,000 h	40,000 h	40,000 h	40,000 h
Dimming	Depend on driver	Depend on driver	Depend on driver	Depend on driver

Mechanical parameters

MODEL NAME	E-CORE LED TUBE GX16T-5			
Product code	LDL82D1530X1EU	LDL82D1540X1EU	LDL84D2830X1EU	LDL84D2840X1EU
Overall length	588.5 mm	588.5 mm	1,198 mm	1,198 mm
Diameter	26.7 mm	26.7 mm	26.7 mm	26.7 mm
Net weight	175 g	175 g	350 g	350 g
Cap	GX16t-5	GX16t-5	GX16t-5	GX16t-5
Product code	LDL84D2865X1EU	LDL95D3630X1EU	LDL95D3640X1EU	LDL95D3665X1EU
Overall length	1,198 mm	1,500 mm	1,500 mm	1,500 mm
Diameter	26.7 mm	28.8 mm	28.8 mm	28.8 mm
Net weight	350 g	350 g	350 g	350 g
Cap	GX16t-5	GX16t-5	GX16t-5	GX16t-5

Drawings



Driver

MODEL NAME	DRIVER FOR GX16T-5			
Product code	LEK-3301CA02	LEK-3301CA02D	LEK-330S02CA02	LEK-330S02CA02D
Rated voltage	220 - 240 V	220 - 240 V	220 - 240 V	220 - 240 V
Max input power	38 W	38 W	72 W	72 W
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output voltage range	45 - 95 V	45 - 95 V	90 - 190 V	90 - 190 V
Output current	350 mA	350 mA	350 mA	350 mA
Power factor	0.9	0.9	0.9	0.9
IP	20	20	20	20
Electric class	class I	class I	class I	class I
Connection wire diameter	0.5 to 0.75 mm^2	0.5 to 0.75 mm^2	0.5 to 0.75 mm^2	0.5 to 0.75 mm^2
Rated lamp lifetime	50,000 h	50,000 h	50,000 h	50,000 h
Dimming	No	DALI (5 - 100%)	No	DALI (5 - 100%)
Overall length	360 mm	360 mm	360 mm	360 mm
Height	26 mm	26 mm	26 mm	26 mm
Net weight	330 g	350 g	330 g	350 g
Operating temperature	-20 °C to 50 °C	-20 °C to 50 °C	-20 °C to 50 °C	-20 °C to 50 °C

Compatibility

GX16T-5 LAMP TYPE	NON-DIMMABLE SYSTEM			
	1 lamp	2 lamps	3 lamps	4 lamps
600 mm / 14.5 W	-	LEK-3301CA02	LEK-330S02CA02	LEK-330S02CA02
1,200 mm / 28 W	LEK-3301CA02	LEK-330S02CA02	-	-
1,500 mm / 36 W	LEK-330S02CA02	LEK-330S02CA02	-	-

GX16T-5 LAMP TYPE	DIMMABLE SYSTEM			
	1 lamp	2 lamps	3 lamps	4 lamps
600 mm / 14.5 W	-	LEK-3301CA02D	LEK-330S02CA02D	LEK-330S02CA02D
1,200 mm / 28 W	LEK-3301CA02D	LEK-330S02CA02D	-	-
1,500 mm / 36 W	LEK-330S02CA02D	LEK-330S02CA02D	-	-

Logistic data

PRODUCT CODE	EAN/ITF CODE	PACKAGING TYPE / DESCRIPTION	SIZE OF PACKAGING (L x H x W)	GROSS WEIGHT
LDL82D1530X1EU	4974550458047	Gift box (1 pce)	619 x 29 x 29 mm	195 g
	14974550458044	Outer carton (25 pcs)	651 x 186 x 175 mm	5,324 g
LDL82D1540X1EU	4974550458054	Gift box (1 pce)	619 x 29 x 29 mm	195 g
	14974550458051	Outer carton (25 pcs)	651 x 186 x 175 mm	5,324 g
LDL84D2830X1EU	4974550458061	Gift box (1 pce)	1,228 x 29 x 29 mm	409 g
	14974550458068	Outer carton (25 pcs)	1,260 x 186 x 175 mm	11,050 g
LDL84D2840X1EU	4974550458078	Gift box (1 pce)	1,228 x 29 x 29 mm	409 g
	14974550458075	Outer carton (25 pcs)	1,260 x 186 x 175 mm	11,050 g
LDL84D2865X1EU	4974550458085	Gift box (1 pce)	1,228 x 29 x 29 mm	409 g
	14974550458082	Outer carton (25 pcs)	1,260 x 186 x 175 mm	11,050 g
LDL95D3630X1EU	4974550460187	Gift box (1 pce)	1,558 x 32 x 30 mm	430 g
	14974550460184	Outer carton (25 pcs)	1,569 x 175 x 90 mm	4,810 g
LDL95D3640X1EU	4974550460194	Gift box (1 pce)	1,558 x 32 x 30 mm	430 g
	14974550460191	Outer carton (10 pcs)	1,569 x 175 x 90 mm	4,810 g
LDL95D3665X1EU	4974550460200	Gift box (1 pce)	1,558 x 32 x 30 mm	430 g
	14974550460207	Outer carton (10 pcs)	1,569 x 175 x 90 mm	4,810 g
LEK-3301CA02	4974550457736	Driver for GX16t-5 / 38 W / non dimmable		
LEK-3301CA02D	4974550457743	Driver for GX16t-5 / 38 W / dimmable		
LEK-330S02CA02	4974550457750	Driver for GX16t-5 / 72 W / non dimmable		
LEK-330S02CA02D	4974550457767	Driver for GX16t-5 / 72 W / dimmable		

Handling and safety information

- Do not cover the lamp with paper, cloth or other easily flammable materials
- Do not expose the lamp to water or high humidity
- Avoid additional mechanical stress on the lamp
- Do not touch the lamp during or shortly after usage. Risk of burn!
- Use only with recommended drivers
- Ambient temperature range: -20 °C to 50 °C
- Do not look directly into the lamp
- Do not spray pesticide on this lamp
- Please ensure the mains power is disconnected before undertaking any work on the luminaire or lamp

www.toshiba.eu/lighting

10/2013

Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
© Copyright 2013 Picture credits: Toshiba, Fotolia.com

TOSHIBA
Leading Innovation